

## **Abstract**

### **AM receiver**

An AM receiver with at least one IF filter with a fixed IF bandwidth comprises at least one downconversion stage (3, 4, 5) to shift the signal input thereto into an IF range (IF1) having a variable oscillation frequency ( $f_{LO1}$ ) which is adjustable to detune a wanted center frequency ( $f_{C1}$ ) of a wanted signal part (30) from a center frequency ( $f_{IF1}$ ) of said at least one IF filter so that an unwanted signal part (31b) adjacent to said wanted signal part (30) lies outside said fixed IF bandwidth.

(Fig. 1)